CONTENTS

VOL. 20, NO. 1, AUGUST 1988

1 *H. De Haan and J. Voerman:* The chemistry of a typical Dutch reservoir, the Tjeukemeer, in relation to its water management between 1970 and 1986

11 *J. M. Elliott:* Interspecific and intraspecific variations in egg hatching for British populations of the stoneflies *Siphonoperla torrentium* and *Chloroperla tripunctata* (Plecoptera: Chloroperlidae)

19 *Fumio Hayashi:* Prey selection by the dobsonfly larva, *Protohermes grandis* (Megaloptera: Corydalidae)

31 *Mutsunori Tokeshi:* Two commensals on a host: habitat partitioning by a ciliated protozoan and a chironomid on the burrowing mayfly, *Ephemera danica*

41 *John D. Madsen and Michael S. Adams:* The seasonal biomass and productivity of the submerged macrophytes in a polluted Wisconsin stream

51 *John R. Beaver, Thomas L. Crisman and Raymond W. Bienert, Jr:* Distribution of planktonic ciliates in highly coloured subtropical lakes: comparison with clearwater ciliate communities and the contribution of myxotrophic taxa to total autotrophic biomass

61 *Shahnaz Fida, M. Yaseen Qadri and Maqsood Siddiqi:* Influence of environmental conditions on the ovarian cycle and serum chemistry of *Cyprinus carpio* in the Dal lake, Kashmir (India)

69 *Robert D. Ward and Paul A. Geissler:* Reproductive mode in populations of *Daphnia pulex* and *Daphnia obtusa* from the East Midlands of Britain

75 *Anne L. Robertson:* Life histories of some species of Chydoridae (Cladocera: Crustacea)

85 *K. Schofield, C. R. Townsend and A. G. Hildrew:* Predation and the prey community of a headwater stream

97 *Gertie P. Arts and Rob S. E. W. Leuven:* Floristic changes in shallow soft waters in relation to underlying environmental factors

113 *Walter K. Dodds and John C. Priscu:* An inexpensive device for sampling large volumes of lake water from discrete depths

117 *C. R. King:* A comparison of zooplankton production estimates obtained from three commonly used methods and a computer simulation program

Opinion

127 *S. J. Ormerod, N. S. Weatherly, P. V. Varallo and P. G. Whitehead:* Preliminary empirical models of the historical and future impact of acidification on the ecology of Welsh streams

VOL. 20, NO. 2, OCTOBER 1988

141 *Alexander D. Huryn and J. Bruce Wallace:* Community structure of Trichoptera in a mountain stream: spatial patterns of production and functional organization

157 *Herman van Dam:* Acidification of three moorland pools in The Netherlands by acid precipitation and extreme drought periods over seven decades

177 *S. Scholtz, M. T. Seaman and A. J. H. Pieterse:* Effects of turbidity on life history parameters of two species of *Daphnia*

185 *Jill Lancaster, Alan G. Hildrew and Colin R. Townsend:* Competition for space by predators in streams: field experiments on a net-spinning caddisfly

195 *J. Green and Hasiana Kramadibrata:* A note on Lake Goang, an unusual acid lake in Flores, Indonesia

199 *E. van Donk, A. Veen and J. Ringelberg:* Natural community bioassays to determine the abiotic factors that control phytoplankton growth and succession

211 *P. D. Watts and B. A. Draper:* Beluga whale ecology: a concern of freshwater biologists?

215 *Wim Admiraal and Bob van Zanten:* Impact of biological activity on detritus transported in the lower river Rhine: an exercise in ecosystem analysis

227 *C. Fernandez-Delgardo, J. A. Hernando, M. Herrera and M. Bellido:* Age, growth and reproduction of *Aphanius iberus* (Cuv. & Val., 1946) in the lower reaches of the Guadalquiver river (south-west Spain)

235 *Nancy L. Munn and Judy L. Meyer:* Rapid flow through the sediments of a headwater stream in the southern Appalachians

241 *S. J. Ormerod:* The micro-distribution of aquatic macroinvertebrates in the Wye river system: the result of abiotic or biotic factors?

249 *R. L. Sinsabaugh and A. E. Linkins:* Exoenzyme activity associated with lotic epilithon

263 *Rolland S. Fulton, III:* Grazing on filamentous algae by herbivorous zooplankton

273 *Craig N. Spencer:* An inexpensive, deep-water limnocorral that compensates for wave action

Opinion

279 *Christine E. W. Steinberg and Helga M. Hartmann:* Planktonic bloom-forming Cyanobacteria and the eutrophication of lakes and rivers

289 **Book Reviews; Short Notices**

VOL. 20, NO. 3, DECEMBER 1988

295 *Olle Söderström:* Effects of temperature and food quality on life-history parameters in *Parameletus chelifer* and *P. minor* (Ephemeroptera): a laboratory study

305 *Richard J. Musgrove:* Digestive ability of the freshwater crayfish *Paranephrops zealandicus* (White) (Parastacidae), and the role of microbial enzymes

315 *Donald P. Morris and William M. Lewis, Jr:* Phytoplankton nutrient limitation in Colorado mountain lakes

329 *Scott A. Wissinger:* Spatial distribution, life history and estimates of survivorship in a fourteen-species assemblage of larval dragonflies (Odonata: Anisoptera)

341 *R. S. Wotton:* Very high secondary production at a lake outlet

347 *Lars-Anders Hansson:* Chlorophyll *a* determination of periphyton on sediments: identification of problems and recommendation of method

353 *William D. Taylor and Zinabu Gebre-Mariam:* Size–structure and productivity of the plankton community of an Ethiopian Rift Valley lake

365 *Hélène Cyr and John A. Downing:* The abundance of phytophilous invertebrates on different species of submerged macrophytes

375 *J. Hilton, E. Rigg and G. Jaworski: In vivo* algal fluorescence, spectral change due to light intensity changes and the automatic characterization of algae

383 *Michael Jeffries:* Measuring Talling's 'element of chance in pond populations'

395 *H. De Haan, H. L. Hoogveld, T. De Boer, J. Voerman, J. R. Moed, H. A. Kramer and J. Schrotenbøer:* Manipulation of chemistry and phytoplankton by hydrological intervention: a whole lake experiment in the northern Netherlands

Opinion

407 *W. D. Williams:* Limnological imbalances: an antipodean viewpoint

421 **Author Index to Volume 20**